
Curriculum Vitae: STEFAN WIEMER

Swiss Seismological Service
ETH Zurich
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Scientific Interests

Probabilistic seismic hazard and risk assessment. Time-dependent processes, earthquake predictability and operational earthquake forecasting. Statistical seismology and seismotectonic analysis, earthquake early warning. Induced seismicity related to GeoEnergy applications.

Education

Ph.D. in Geophysics	1992- 1996
University of Alaska Fairbanks, USA. Advisor: Prof. Max Wyss	
M.Sc. in Geophysics	1986- 1992
Ruhr University Bochum, Germany. Advisor: Prof. Hans-Peter Harjes	
Abitur (high school diploma)	1986
Schulzentrum Hattingen-Holthausen, Germany.	

Professional Career

Full Professor of Seismology and Director Swiss Seismological Service (SED)	from 06/2013
ETH Zurich, Switzerland	
Director (a.i.) Swiss Seismological Service (SED)	since 01/2012
ETH Zurich, Switzerland	
Professor of Geophysics ("Titular Professor")	since 01/2008
Department of Earth Sciences, ETH Zurich, Switzerland	
Visiting Scientist	11/2007 - 03/2008
GNS Science, Lower Hutt, New Zealand	
Senior Researcher	01/1999 - 10/2007
Swiss Seismological Service, ETH Zurich, Switzerland	
Post-doctoral Researcher	09/1997 - 12/1998
Seismological and Volcanological Research Department, JMA, Tsukuba, Japan	
Post-doctoral Researcher	09/1996 - 08/1997
University of Alaska Fairbanks, USA	
Ph.D. Student and Research Assistant	07/1992 - 08/1996
University of Alaska Fairbanks, USA	

Awards

- **Fellow of the Alexander von Humboldt Foundation, Germany** **1997**
- **IASPEI software development scholarship** **1994**

Responsibilities and Achievements

Management Experience

- Director of the SED (staff: 60) and head of the earthquake analysis section (staff: 30).
- Project manager for GEM1 (2009-2010), the pilot project of the Global Earthquake Model, a public-private partnership for earthquake risk assessment worldwide (www.globalquakemodel.org/gem1).
- Member of the management committee of EC FP6 project NERIES (Network of Res. Infrastructures for EU Seismology, neries.knmi.nl), a consortium of 25 institutions, total budget of 12 M€ for the period 2006 – 2010.
- Member of the management committee of EC FP7 project REAKT, www.reaktproject.eu), 23 institutions, budget 4.5 M€ for the period 2011 – 2014. Member of the ExeCom of EC FP7 project GEISER, www.geiser-fp7.eu), 13 institutions (5.3 M€, 2010 – 2013) and of EC6 FP Project NERIES (12 M€; 2006-2010; <http://www.neries-eu.org>).
- Principal investigator (PI) in nine Swiss National Science Foundation or ETH internal projects, host for two ETH fellows and Marie Heim-Vögtlin fellow and one ETH Pioneer fellow. PI in the ETH Competence Center projects CARMA and GEOTHERM, coordinator for GEOTHERM-2. Board member of geothermie.ch and ORFEUS.
- Coordinator of NFP70 interdisciplinary project on 'Risk Governance of Deep Geothermal and Hydro Energy'.

Hazard and Consulting Experience

- Responsible for the computation and publication of the 2004 and 2015 Swiss National Seismic Hazard Model
- PEGASOS expert on source parameterization for the evaluation of the seismic hazard at four Swiss nuclear power plant sites (2001 - 2004) and PEGASOS refinement project (2008-2012). PEGASOS is the first European SSHAC level IV Study. Consultant for PSHA at dam sites in Peru and Baden-Württemberg.
- Swiss delegate in the European Academies Science Advisory Council working group on carbon capture and storage and the IEA Geothermal Implementing Agreement Annex on induced seismicity. Leader of the International Partnership for Geothermal Technology (IPGT) working group on induced seismicity. Advisor to the Dutch State Supervision of Mines on the induced seismicity in Groningen.

Publications

- 119 publications in international peer reviewed journals since 1994 ($h_{ISI}=34$, >4050 ISI cites ; $h_{google}=42$).

Service to the Scientific Community

- Associate editor of the Bulletin of the Seismological Society of America (2004 – 2011). Guest editor Tectonophysics, special issue "New aspects of seismic activity in Kanto Tokai, Japan" (2006). Guest editor Annals of Geophysics, CSEP Italy special issue (2010).
- Organizer of 12 special sessions at scientific meetings. One of the initiators and lead author of the Community Online Resource for Seismicity Analysis (CORSSA, www.corssa.org), a novel online resource for students.
- Reviewer of about 150 articles for geophysical journals and 50 proposals for various funding agencies.
- Member of ERC Consolidator Grants evaluation panel 2015 – 2017.

Teaching, Education and Outreach Experience

- Lecturer at ETH Zurich since 1999 (various classes). SED teaching coordinator 2009-2012. Lecturer at Univ. Bern since 2014. Supervised 16 Ph.D. students, 13 diploma/MSc and 5 BSc students at ETH Zurich.
- Project coordinator of the earthquake part of the ETH 150 year celebration "Welten des Wissens" in 2005. Responsible for earthquake exhibits at the 2006 OLMA, Foire du Valais 2006, 2007 Zuespa and 2007 Science City event. Responsible for content of the earthquake part of the FocusTerra Museum at ETHZ Zurich.
- About 160 presentations at scientific meetings, 45 invited and 35 public lectures. About 45 TV, 160 radio and 90 newspaper interviews on global/Swiss earthquakes and on seismology in general.